

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RHEF1000

DOCUMENT: SCD25209

REV LETTER: F

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

Specification Status: Released

Electrical Rating

Voltage: 16V_{DC} MAX Current: 100A MAX

Insulating Material:

Cured, Flame Retardant Epoxy

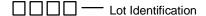
Polymer

meets UL94 V-0 Requirements

Lead Material:

20 AWG Tin Plated Copper (0.8 mm [0.032] nom. diameter)

Marking:



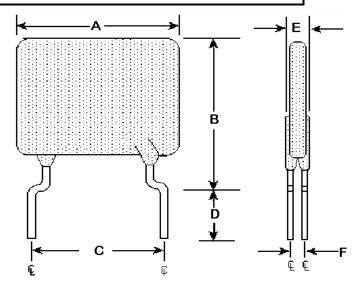


TABLE I. DIMENSIONS:

	Α		В		С		D		Е		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:		17.5		26.5	9.4	10.9	7.6	-	-	3.0	1.2
in*:		0.69		1.04	(0.37)	(0.43)	(0.30)			(0.12)	(0.05)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD RATED CURRENT	RATED RATINGS		TIME TO TRIP	INITIAL RESISTANCE VALUES		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	NOMINAL TRIPPED POWER DISSIPATION
AMPS AT 25°C HOLD	AMPS AT 25°C HOLD TRIP		SECONDS AT 25°C, 50A MAX		MS 25°C MAX	OHMS AT 25°C MAX	WATTS AT 25°C 16V TYP
10.0	10.0	18.5	9.0	0.0062	0.0105	0.015	5.3

Agency Recognitions: UL, CSA, TUV Reference Documents: PS300

Precedence: This specification takes precedence over documents referenced herein.

Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.

CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information

ROHS Compliant ELV Compliant

Pb-Free

Halogen Free*

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant





^{*} Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



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